



Description of FALCON 50 tail dock

FUNCTIONS

This mobile working platform consists of 2 individual sections. Each section is mobile and has its own place and function on the airplane, namely:

Left tail section
Right tail section

All sections being FOD-free are custom-built to ensure perfect fit around the airplane.

The platform dimensions in all different sections are wide enough to enable people to pass each other easily. All sections have castor-wheels and are braked by using brake pedals on the castor wheels.

Tail section :

The tail section makes it possible to do maintenance works on the tail, engines air-inlet and flaps.

A stairway offers access to each section.

Electricity, pressed air and earthing:

Not included.

STAIRWAYS

All stairs have 1,1 m high side guard-rails on left and right-hand sides, as well as welded, non-skid aluminium steps. The stairs are wide enough (0,8m) to provide good access to the sections, with 24 cm deep steps at a slope of 45-50 degrees.

GUARDRAILS

All work floors have 1,1 m high guard-rails on the sides and back side. All guardrails are fitted to the frame structure.

WORK PLATFORMS

The platform surface of each section has a maximum load capacity of 200 kg/m² with a maximum evenly distributed payload per each individual section of 1000 kg. 15 cm high toeboards are located around all work floors. On the edges of each work floor openings are made for water evacuation.

The left and right tail section have each 10 movable sections (level 2) and 5 movable sections (level 3) in order to reduce the space between the airplane and work platform, this means that eventual danger of falling is reduced as much as possible. These sliding floors are fitted with locking devices to avoid unintentional sliding.



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HEIGHT ADJUSTMENT:

Height adjustment: 45cm through park supports

DIMENSIONS

This maintenance dock is designed to provide an easy and fast access to all relevant components of the Falcon 50 Tail.

Work platform height: (height adjustment: per level 45cm adjustment upwards possible)

Left tail section	150011	1.25m / 3.75m / 6m
Right tail section	150012	1.25m / 3.75m / 6m

FINISHING AND PROTECTION

All components which may touch the airplane are provided with protective rubber profiles. These profiles are attached to tubes, work floor edges and guard-rails. The profiles concerned have already been frequently used in previously delivered maintenance platforms.

CHOICE OF MATERIAL

- Guardrails, tube profiles, toeboards and frames: aluminium.
- Work floor deckings: checkerplate
- steps: checkerplate
- castor wheels: steel fork, polyurethane wheel with 20 cm diameter with running surface: 5 cm wide. Castor wheels have double brake mechanism (namely against rotating and against rolling)

SAFETY REGULATIONS

All sections are designed according to and meeting the current safety standard EN 1915 part 1 & part 2, as far as it is applicable for this maintenance dock. Full use can be made of the maintenance platforms when used indoors (wind force Beaufort max. 2).

CONSTRUCTION

The design has a safety factor of 1.5 with regard to the stability and the payload. Under normal use, the construction has a technical life span of at least 20 years.

CHEMICALS

All material and components applicable in this quotation, are commonly used in all aviation platforms and lifts supplied to the several Air Forces so far.

MAINTENANCE AND INSPECTION

The wheels and all movable/dismountable acces stair/guardrails must be kept in a good condition for proper movement. Before use, the sections must be checked on any damage.



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INSTRUCTION MANUAL

An instruction manual with explanation on use, inspection and maintenance is provided on delivery.

This book includes:

- technical specifications summary
- dimensions
- load capacity
- instructions for use and safety
- assembly drawings
- components lists with order numbers and the corresponding supplier information
- maintenance guidelines

For comments on contents, a manual draft will be handed in two weeks before platform delivery.

WARNING SIGNS

A warning sign with contains various fundamental warnings is located on every section.

QUALITY GUARANTEE

Custers Hydraulica B.V., as the designer and manufacturer of this mobile working platform, is TÜV certified. Custers is ISO 9001 certified.

SPARES SUPPLY

Components applied will remain available for supply until at least 2027, as far as existing and future EU legislation allows components to be deliverable and applied.

ERGONOMY

The section sections can be easily rolled manually across a flat, hard surface by two people at a normal walking pace (4 km/h). The individual sections and therefore the complete tail dock meet the current ergonomic and labour regulations.

DECLARATION

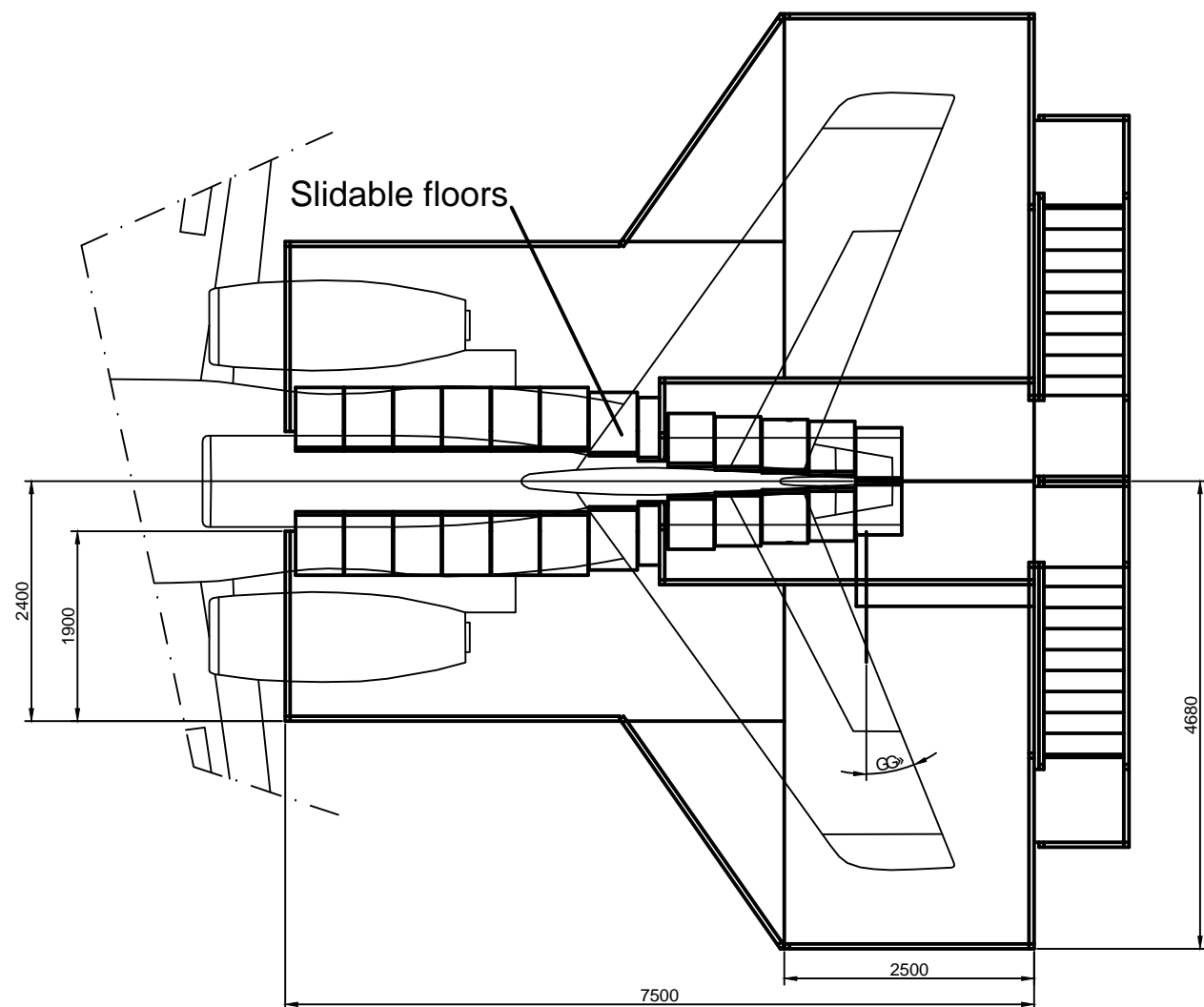
A manufacturer's declaration will be provided on delivery.

INSTRUCTIONS

Where required, the users will be given an introductory instruction on site in using and maintaining this Falcon tail dock.

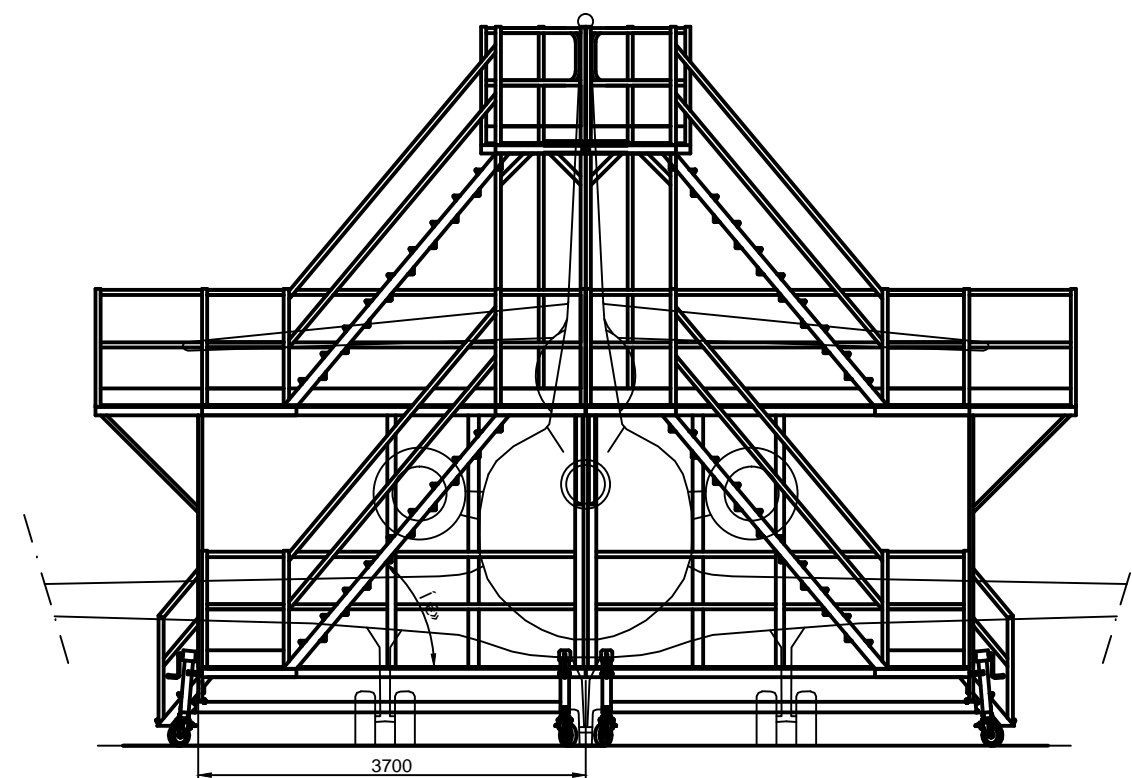
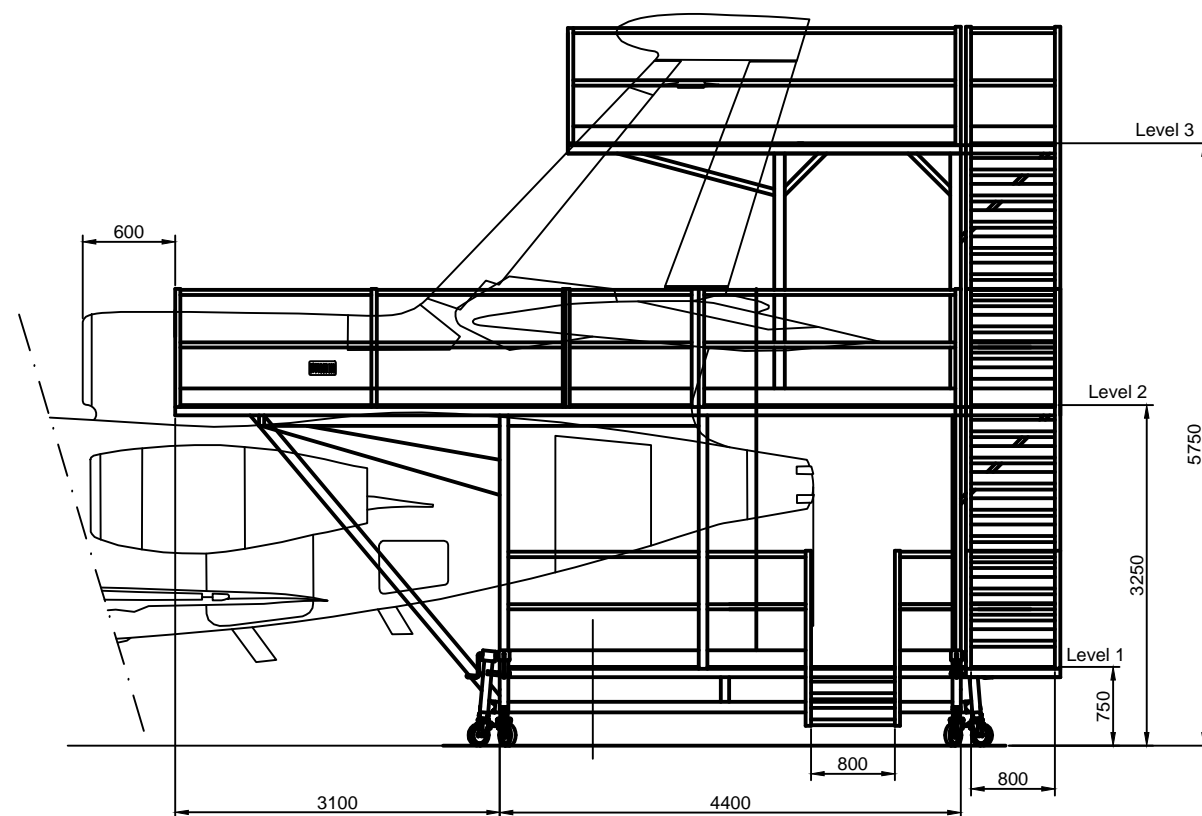
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Custers Hydraulica B.V. Venray NL



Tail Dock Falcon 50:

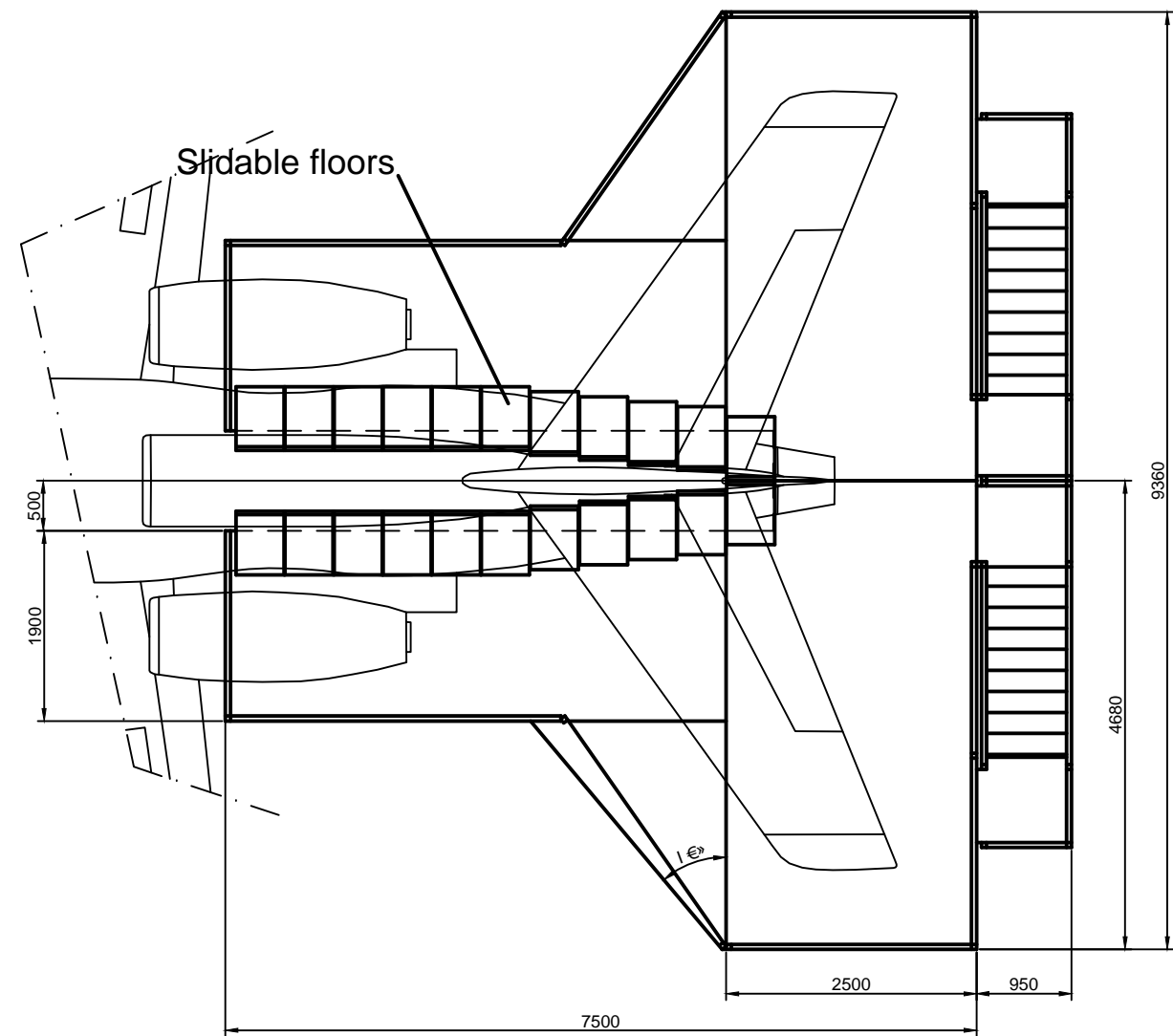
- construction: aluminium
- floors: checker plate
- stairs: checker plate
- wheels: max. load 1000 kg / double brake
- height adjustment: 45 cm



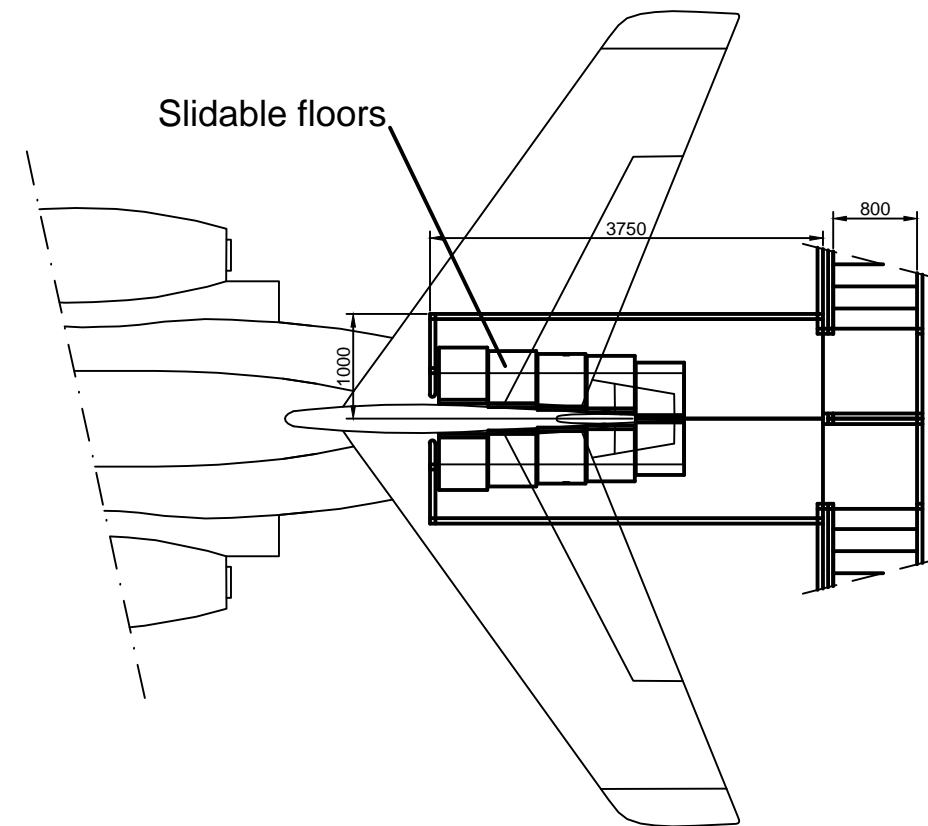
Pos	Aantal	Omschrijving	Afmeting	Zie tekening nr.	Materiaal	Opmerking
Projectie		Benaming			Get.	ava 24-1-2017
		Tail Dock Falcon 50			Gecontr.	
Niet opgegeven tol.:		Tenzij anders vermeld alle onderdelen rondom lassen met a =			Schaal	- A2
		CUSTERS HYDRAULICA B.V.			Ordernr.	
					Tek nr.	150010A-1

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Level 2



Level 3



Pos	Aantal	Omschrijving	Afmeting	Zie tekening nr.	Materiaal	Opmerking
Projectie		Benaming			Get.	ava 24-1-2017
		Tail Dock Falcon 50			Gecontr.	
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					Tek nr.	150010A-2

